

# Lincoln Centre

Modernization of 46 elevators.

Dallas, Texas



Original equipment in the traction systems of the Lincoln Centre was manufactured by Dover Elevator, including Dover Composite, Traflomatic I and Traflomatic II controllers. The elevator modernization included the replacement of these existing traction control systems with state-of-the-art ThyssenKrupp Elevator TAC50M controllers and VVVF or PWM drives. Modernization of the hydraulic elevators of the Lincoln I parking facility included new TAC22 control systems. Traction machines were reused, as were the signal fixtures for the elevators. ThyssenKrupp Elevator also provided closed loop door operation.

Location	Number Of Units	Number Of Stops	System Type (capacity and speed)
Lincoln I Low Rise Group	4	8	Geared (3500lb @ 350 fpm)
Lincoln I High Rise Group	4	8	Gearless (3500lb @ 700 fpm)
Lincoln I Service Elevator	1	16	Geared (3500lb @ 350 fpm)
Lincoln I Parking	2	4	Hydraulic (3000lb @ 150 fpm)
Lincoln II Low Rise Group	4	6	Gearless (3500lb @ 500 fpm)
Lincoln II Mid Rise Group	4	8	Gearless (3500lb @ 700 fpm)
Lincoln II High Rise Group	4	7	Gearless (3500lb @ 700 fpm)
Lincoln II Service Elevator	1	19	Geared (3500lb @ 350 fpm)
Lincoln II Parking	4	4	Hydraulic (3000lb @ 150 fpm)
Lincoln III Low Rise Group	4	6	Geared (3500lb @ 350 fpm)
Lincoln III Mid Rise Group	4	7	Gearless 3500lb @ 500 fpm)
Lincoln III High Rise Group	4	7	Gearless (3500lb @ 700 fpm)
Lincoln III Service Elevator	1	18	Geared (3500lb @ 350 fpm)
Lincoln III Parking	1	2	Hydraulic (3500lb @ 150 fpm)
Lincoln East Parking	4	6	Geared (3000lb @ 350 fpm)

**ThyssenKrupp Elevator**  
Americas Business Unit



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# One Wachovia Center

Modernization of 16 elevators.

## Charlotte, North Carolina

In August of 2004, ThyssenKrupp Elevator began installation of its new Destination Dispatch system in One Wachovia Center, the third tallest building in downtown Charlotte, North Carolina. The elevators, which were originally installed in 1988, were modernized with TAC50M control and drive systems to improve reliability and ride quality. Childress Klein Properties, owner and manager of the 42-story office building, is one of the first to have selected Destination Dispatch, a revolutionary system designed to improve overall efficiency by reducing total travel times for passengers and offering the added benefit of reduced energy consumption.

### A World-Wide Success

Destination Dispatch and similar products have been used in Europe and Asia with great success in passenger flow management. ThyssenKrupp Elevator is proud to have provided One Wachovia Center with the most sophisticated installation of this system in the United States.

### Technology at Your Fingertips

As visitors select their destination via the digital touch-screen kiosk, they are directed to an elevator with other passengers of similar destinations. This “smart” elevator – with no buttons in the elevator itself – provides passengers with fewer stops and allows property managers to alleviate crowding at and into elevators. Each floor of the building features a touch screen kiosk with the same technology to provide passengers the most efficient route to their destinations. ThyssenKrupp Elevator’s Destination Dispatch saves passengers up to 30 percent in overall travel times.

“When it was time to modernize the elevator systems in One Wachovia Center, we chose ThyssenKrupp Elevator because they appeared to have the leading controllers and elevator components in the industry,” said David Pitser, Partner & Director of Property Management for Childress Klein Properties. “We constantly seek to provide our tenants with the best service possible, and ThyssenKrupp’s track record of reliable and innovative technology presented a perfect opportunity for us.”

### The Perfect Solution

One Wachovia Center is distinct from other buildings in that they have dual lobbies on their Plaza and Mall levels. Both lobbies were often full of people waiting for elevators, but with conventional elevator technology responding simply to “hall calls,” the system could not recognize to send additional elevators to accommodate all of the passengers. Destination Dispatch is able to respond to each elevator call and send the appropriate number of elevators to both the Plaza and Mall levels.

Says David Pitser, “Destination Dispatch has proved to be a fantastic solution for our elevating needs – tenants are getting to their floors much more quickly, elevator lobbies are never crowded and best of all, we provide excellent service to our dual lobby levels, a unique feature of our building.”

With owned real estate assets in excess of \$1 billion, Childress Klein Properties is one of the largest real estate development, investment and management companies in the Southeastern United States. Childress Klein Properties currently owns and manages properties totaling 20 million square feet and includes office buildings, shopping centers, mixed-use developments, warehouses, manufacturing plants, distribution facilities and business parks.

Barbre Consulting, Inc. (BCI) offered consultation on the Destination Dispatch project in One Wachovia Center. BCI is a progressive independent elevator consulting firm which offers professional advice and proven programs that yield solutions to architects, building owners, building managers and building engineers on all matters relating to vertical transportation.



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# Lester B. Pearson International Airport

High-Speed Convenience is World's First

## New Installation Project

Location:	Toronto, Canada
Contractor:	PCL/AECON
Owner:	GTAA
Consultant:	H. H. Angus
Management Company:	PCL/AECON
Architect:	Airport Architect Canada, Inc.



The world's first high-speed moving walkways are in the Lester B. Pearson International Airport in Toronto, Canada. These two walkways, installed by ThyssenKrupp Elevator in Pier F of the airport, are on the cutting edge of design. "These are the first of their kind in the world," said Lee Daniel, ThyssenKrupp Elevator's Business Development Manager, speaking of the moving walks that can travel at speeds upwards of 400 fpm. By traveling at such high speeds, the time it takes to travel by a traditional walkway is cut by about two-thirds.

The units, with pallets that resemble those of traditional moving walks, are also unique because of their capability of operating at variable speeds along the 912 foot of travel. "A person can get on at one end and they will be moving at roughly 125 fpm," says Daniel. "The pallet then begins to accelerate to the full speed of 400 fpm. Coming closer to the end of the walkway, the unit will decelerate back to its beginning speed. This all happens without the need to step from one pallet to another. It's seamless."



High speed moving walk

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# Dallas-Fort Worth International Airport

\$28 million project



## THYSSENKRUPP ELEVATOR HELPS DFW AIRPORT MOVE PASSENGERS THROUGH NEW INTERNATIONAL TERMINAL D

**\$28 million project includes moving walkways, elevators, escalators connecting parking garage, skybridges and Grand Hyatt Hotel**

FRISCO, TEXAS – How will Dallas-Fort Worth International Airport (DFW) move more than 37,000 passengers daily through its new two-million square-foot International Terminal D? By installing 182 state-of-the-art conveyance units from ThyssenKrupp Elevator, as part of a \$35 million project awarded to the company in 2002 and completed in 2005.

With 53 Oilraulic® elevators; 34 geared traction elevators; 59 escalators; 32 moving walkways and 5 material lifts, the new units in DFW Terminal D will quickly transport passengers to multiple areas of the terminal and airport. In addition, the 28 boarding bridges at Terminal D were manufactured and installed by ThyssenKrupp Airport Systems in Fort Worth, Texas. Major areas include the new eight-story parking garage, skybridges, the Grand Hyatt Hotel and the Skylink high-speed airport train stations.

“When we set out to build our new International Terminal D, we were looking for the best partners to deliver modern conveniences that make the airport travel experience more enjoyable for passengers,” said Clay Paslay, Executive Vice President, Airport Development with Dallas-Fort Worth International Airport. “The quality and innovation that ThyssenKrupp Elevator is known for, as well as the specific products and value they offer, made them the right choice for us.”

In addition to the conveyance units, ThyssenKrupp Elevator has also implemented its REMONG2™ monitoring system, which provides DFW’s facilities management team with a user-friendly graphic interface for tracking all vertical and horizontal units on the project. Even for the largest elevator company in North America, the DFW Airport project was a tremendous undertaking. It took the ThyssenKrupp Elevator project team of four and a multi-phase planning and installation process to make it successful.

“The size and complexity of this type of project requires a significant amount of planning and coordination,” said Stuart Prior, COO Latin America and Brazil and Executive Vice President of Product Sales and Marketing for ThyssenKrupp Elevator - Americas Business Unit. “Our group has received positive feedback that our daily presence, persistence and dedication to quality from the planning phase through installation and testing, was key to helping DFW meet its stated goals.”

One of many unique challenges posed by the magnitude of this project was the fact that the expanse of the terminal made it necessary to install many of the escalators and moving walk trusses before closing in the building. As a result, ThyssenKrupp Elevator and Austin Commercial Inc. had to take measures to protect all the units from outdoor elements for a period of up to two years before final installation of the balustrades could be completed.

ThyssenKrupp Elevator, the elevator division of ThyssenKrupp AG, is the largest elevator company in North America and the third largest worldwide. ThyssenKrupp Elevator is the market leader in manufacturing, installing, modernizing and maintaining elevators for all types of buildings. The company’s Americas Business Unit Division oversees all aspects of business for ThyssenKrupp Elevator’s operations in the U.S., Canada and Central and South America.

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